

TRANSLATION FROM JAPANESE

- (19) JAPANESE PATENT OFFICE (JP)
 (12) Patent Gazette (B2)
 (11) Patent No. **2804940**
 (24) Registration Date: July 24, 1998
 (45) Publication Date: September 30, 1998

 Identification

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|-----------------------------------|---------------|------------|
| (51) <u>Int. Cl.</u> ⁷ | <u>Symbol</u> | <u>FI</u> |
| A46B 13/02 | | A46B 13/02 |
| A61C 17/22 | | 700 |

 Number of Claims¹ (4 pages total [in original])

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- (21) Patent Application No.: 4-53050
 (22) Filing Date: January 28, 1992
 (65) Unexamined Patent Application (Kokai) No.: 5-199917
 (43) Disclosure Date: August 10, 1993
 Examination Request Date: May 1, 1996
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 Examiner: TORII Minoru
 (58) Searched Fields (Int. Cl.⁶, DB Title)
 A46B 13/02
 A61C 17/22
 A61C 17/22
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(54) [Title of the Invention] **Electrically powered toothbrush**

(57) [Claims]

[Claim 1] An electrically powered toothbrush comprising: a drive shaft provided on a first end thereof with a brush composed of a plurality of bristles implanted in a handle; a motor for driving this drive shaft; and a casing for housing this motor and said drive shaft,

 wherein said electrically powered toothbrush [further] comprises:

 a first face gear rotated by means of said motor and provided with an eccentric cam for causing said drive shaft to undergo reciprocating motion in the axial direction thereof;

 a second face gear arranged juxtaposed to this first face gear, and provided with an eccentric cam for causing said drive shaft to undergo reversing motion at a given angle about the axis thereof; and

 a cam follower arranged between this second face gear and said first face gear, undergoing three-dimensional rocking motion due to movement of the eccentric cam provided to the first face gear and movement of the eccentric cam provided to the second face gear, and transmitting this rocking motion to said drive shaft.